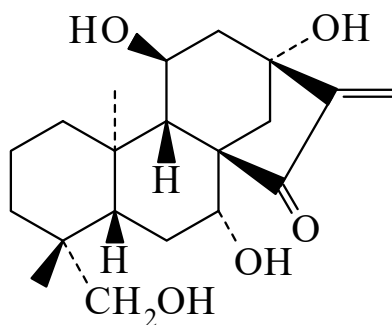




>>Entry Name: 7,11,13,19-Tetrahydroxy-16-kauren-15-one



Molecular Formula: C₂₀H₃₀O₅

Molecular Weight: 350.454

Accurate Mass: 350.209325

Percentage Composition: C 68.55%; H 8.63%; O 22.83%

>>Variant: (*ent*-7 β ,11 α)-form

Molecular Formula: C₂₀H₃₀O₅

Molecular Weight: 350.454

Accurate Mass: 350.209325

Percentage Composition: C 68.55%; H 8.63%; O 22.83%

>>Derivative: 11-Ac

Synonym(s): Rosthornin C

CAS Registry Number: 219917-94-9

Molecular Formula: C₂₂H₃₂O₆

Molecular Weight: 392.491

Accurate Mass: 392.21989

Percentage Composition: C 67.32%; H 8.22%; O 24.46%

Biological Source: Constit. of *Rabdosia rosthornii*

Physical Description: Needles

Melting Point: Mp 174-176°

Optical Rotation: [α]_D²⁶ -172 (c, 0.44 in MeOH)

UV: [neutral] $\lambda_{\max}$ 229 (log ϵ 3.72) (EtOH)

>>Derivative: 11,19-Di-Ac

Synonym(s): Rosthornin B

CAS Registry Number: 125181-21-7

Molecular Formula: C₂₄H₃₄O₇

Molecular Weight: 434.528

Accurate Mass: 434.230455

Percentage Composition: C 66.34%; H 7.89%; O 25.77%

Biological Source: Constit. of *Rabdosia rosthornii*

Physical Description: Plates

Melting Point: Mp 147-149°

Optical Rotation: [α]_D²⁵ -156.3 (c, 0.56 in MeOH)

References:

Xu, X.-L. *et al.*, *Phytochemistry*, 1989, **28**, 3235-3237, (*Rosthornin B*)

Xu, Y.-L. *et al.*, *Yunnan Zhiwu Yanjiu*, 1998, **20**, 97-101; *CA*, **130**, 122173g, (*Rosthornin C*)